



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 4

Complete if Known

Application Number	10/538682
Filing Date	06/10/2005
First Named Inventor	CHAPMAN
Art Unit	1703
Examiner Name	Loewe, Robert S.
Attorney Docket Number	DC5060PCT1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 3,372,178	03/05/1968	WU	
		US- 4,427,801	01/24/1984	SWEET	
		US- 4,525,400	06/25/1985	SURPRENANT	
		US- 4,616,076	10/07/1986	ONA et al.	
		US- 4,681,963	07/21/1987	LEWIS	
		US- 4,705,765	11/10/1987	LEWIS	
		US- 4,726,964	02/23/1988	ISOBE et al.	
		US- 4,525,566	06/25/1985	HOMAN et al.	
		US- 4,849,491	07/18/1989	OGAWA et al.	
		US- 4,902,731	02/20/1990	LEIBFRIED	
		US- 4,461,867	07/24/1984	SURPRENANT	
		US- 5,097,054	03/17/1992	YAMAMOTO et al.	
		US- 5,200,543	04/06/1993	INOMATA et al.	
		US- 5,290,841	03/01/1994	ENAMI et al.	
		US- 5,378,790	01/03/1995	MICHALCZYK et al.	
		US- 5,162,445	11/10/1992	POWERS et al.	
		US- 5,412,055	05/02/1995	LOO	
		US- 5,525,696	06/11/1996	HERZIG et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

Examiner
Signature

/Robert Loewe/

Date
Considered

06/07/2008

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /R.L./

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2

of 4

Complete if Known

Application Number	10/538,682
Filing Date	06/10/2005
First Named Inventor	CHAPMAN
Art Unit	1705
Examiner Name	Loewe, Robert S.
Attorney Docket Number	DC5060PCT1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,545,831	08/13/1996	KAIYA et al.	
		US- 5,545,837	08/13/1996	KOBAYASHI	
		US- 5,548,051	08/20/1996	MICHALCZYK et al.	
		US- 5,575,831	11/19/1996	YAMAMURA et al.	
		US- 5,581,008	12/03/1996	KOBAYASHI	
		US- 5,656,711	08/12/1997	FUKUDA et al.	
		US- 5,691,435	11/25/1997	HERZIG et al.	
		US- 5,985,462	11/16/1999	HERZIG et al.	
		US- 6,093,782	07/25/2000	HERZIG et al.	
		US- 6,160,150	12/12/2000	KRAHNKE et al.	
		US- 6,184,407	02/06/2001	YOSHITAKE et al.	
		US- 6,235,832	05/22/2001	DENG et al.	
		US- 6,252,100	06/26/2001	HERZIG	
		US- 6,300,452	10/09/2001	JUKARAINEN et al.	
		US- 6,313,255	11/06/2001	RUBINSZTAJN	
		US- 6,528,584	03/04/2003	KENNEDY et al.	
		US- 6,605,734	08/12/2003	ROY et al.	
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		EP0259711	08/27/1987	HERCULES INC.		
		EP0416471	01/20/1999	DOW CORNING TORAY SILICONE COMPANY, LTD.		
		EP0464706	08/30/1995	TOSHIBA SILICONE CO., LTD.		
		EP0600512	02/09/2000	HERCULES INC.		
		EP0979837	02/16/2000	GENERAL ELECTRIC CO.		

Examiner
Signature

/Robert Loewe/

Date
Considered

06/07/2008

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /R.L./

PTO/SB/08b (08-03)

Approved for use through 06/30/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/538682		
		Filing Date	06/10/2005		
		First Named Inventor	CHAPMAN		
		Art Unit	4700		
		Examiner Name	Loewe, Robert S.		
Sheet	3	of	4	Attorney Docket Number	DC5060PCT1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Kurian et al., Novel Cyclosiloxane-Based Networks, Polymer Preprints 2003, 44(1), pages 33-34.	
		Kurian et al., Novel Tricomponent Membranes Containing Poly(Ethylene Glycol)/Poly (Pentaamethylcyclotrisiloxane)/ Poly (Dimethylsiloxane) Domains*, Journal of Polymer Science: Part A: Polymer Chemistry, vol. 40, 3093-3102 (2002).	
		Backer, M., et al.: Si Chemical Shift Tensors of Silyl Silicate Cages, Solid State Nuclear Magnetic Resonance, Netherlands, Vol. 9, No. 2-4, December 1997 (1997-12), pages 241-255.	
		Koyava N. A., et al.: Synthesis of Organocyclosiloxanes with a Predetermined Arrangement of Functional Groups on the Silicon Atoms, Journal of General Chemistry of the USSR, Vol. 50, No. 8, 1980, Pages 1461-5.	
		Sokolov, N. N., et al.: Organocyclosiloxanes I. Methylchlorocyclosiloxanes, Journal of General Chemistry of the USSR, Vol. 26, 1956, Pages 1061-3.	
		Sokolov, N. N., et al.: Organocyclosiloxanes II. Methylchlorocyclosiloxanes, Journal of General Chemistry of the USSR, Vol. 26, 1956, Pages 2545-7.	
		Sakiyama, M., et al.: The Selective Halogenation of Methylhydropolysiloxanes: Syntheses of Methylhalopolysiloxanes and Their Derivatives, Bulletin of the Chemical Society of Japan, Vol. 38, No. 12, 1965, Pages 2182-6.	
		Andrianov, K. A., et al.: Substitution Reactions in Organocyclosiloxanes Containing Functional Groups Attached to the Silicon Atom, Chemistry of Heterocyclic Compounds, Vol. 8, 1972, pages 1068-70.	
		Andrianov, K. A. et al.: Heterofunctional Condensation of Chlorosilanes with Tetra- and Hexaphenylsiloxanediols, Chemistry of Heterocyclic Compounds, vol. 8, 1972, pages 810-2.	
		Kurian et al., Synthesis And Characterization of Novel Amphiphilic Block Copolymers Di-, Tri, Multi-, and Star Blocks of PEG and PIB, Journal of Polymer Science: Part A: Polymer Chemistry, Vol. 38, 3200-3209 (2000).	

Examiner Signature	/Robert Loewe/	Date Considered	06/07/2008
--------------------	----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /R.L./

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /R.L/